

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	146S1 3 02/16/92	146S2 3 02/16/92	146S3 3 02/16/92	146S4 3 02/16/92	HMW-06 10 02/21/92	HMW-06 15 02/21/92	HMW-06 20 02/21/92	146BKG 0 03/18/92	HMW-06 25 03/18/92	HMW-06 35 03/19/92
Metals														
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	0.73	1.1	0.54	0.85	0.5 [<0.48]	0.52	2.5	1.1	8.3	2.6
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	<98	<100	<100	<91	<88 [<100]	<100	<100	<97	44	36
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<2.5	<2.6	<2.5	<2.3	<2.2 [<2.6]	<2.5	<2.6	<2.4	<1	<0.46
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	42.2	mg/kg	--	--	--	--	--	--	--	--	--	--
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	<25	<26	<25	<23	<22 [<26]	<25	<26	<24	14	<4.6
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1	<0.1	<0.1	<0.1	<0.08
Potassium	7440-09-7	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	<0.52	2.2	<0.5	<0.48	<0.47 [<0.48]	<0.47	<0.49	<0.52	<0.5	<0.52
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	<4.9	<5.2	<5.1	<4.5	<4.4 [<5.2]	<5	<5.2	<4.9	<2	<0.92
Sodium	7440-23-5	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	--	--	--	--	--	--	--	--	--	--
Other														
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Fluoride	16984-48-8	4,690 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Fractional Organic Carbon	FOC	--	--	%	--	--	--	--	--	--	--	--	--	--
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
pH	pH	--	--	pH Units	--	--	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
1,2-Diphenylhydrazine	122-66-7	6.08 {NMED ResSoil09}	0.0906	mg/kg	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
1-Chloronaphthalene	90-13-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	<2	<2	<2	<2	<2 [<2]	<2	<2	<2	<2	<2
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003 [<0.33]	<0.33	<0.33	<0.33	<0.33	<0.33
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017 [<2]	<2	<2	<2	<2	<2
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	<0.7	<0.7	<0.7	<0.7	<0.7 [<0.7]	<0.7	<0.7	<0.7	<0.7	<0.7
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
3-Nitroaniline	99-09-2	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.7	<0.7	<0.7	<0.7	<0.7 [<0.7]	<0.7	<0.7	<0.7	<0.7	<0.7
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
4-Methyl Phenol (p-cresol)	106-44-5	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	--	--	mg/kg	<2	&								

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Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzofuran	132-64-9	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	0.57	<0.3	<0.3
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	<0.33	<0.33	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	<2	<2	<2	<2	<2 [<2]	<2	<2	<2	<2	<2
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	<0.3	<0.3	<0.3	<0.3	<0.3 [<0.3]	<0.3	<0.3	<0.3	<0.3	<0.3
Total Petroleum Hydrocarbons														
Diesel Range Organics		DRO	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Gasoline Range Organics		GRO	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Petroleum Hydrocarbons		PHC	--	--	mg/kg	<13	<13	<13	<13	<13 [<13]	<13	<13	<11	<13
Total Petroleum Hydrocarbons		TPH	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloropropene	563-58-6	--	--	mg										

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4-Chlorotoluene	106-43-4	5,500 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1	<0.1	<0.1	<0.1	<0.1
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2 [<0.2]	<0.2	<0.2	<0.2	<0.2	<0.2
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1	<0.1	<0.1	<0.1	<0.1
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	108-86-1	300 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	--	--	--	--	--	--	--	--	--	--
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01	<0.01	<0.01
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02 [<0.02]	<0.02	<0.02	<0.02	<0.02	<0.02
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobromomethane	74-97-5	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01	<0.01	<0.01
cis-1,2-Dichloroethene	156-59-2	782 {NMED ResSoil09}	1.89	mg/kg	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02 [<0.02]	<0.02	<0.02	<0.02	<0.02	<0.02
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Ethanol	64-17-5	--	--	mg/kg	<1	<1	<1	<1	<1 [<1]	<1	<1	<1	<1	<1
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02 [<0.02]	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Iodomethane	74-88-4	--	--	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02 [<0.02]	<0.02	<0.02	<0.02	<0.02	<0.02
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	--	--	--	--	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05	<0.05	<0.05	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01	<0.01	<0.01
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	<0.005	<0.005	<0.005	<0.005	<0.005 [<0.005]	<0.005	<0.005	<0.005	<0.005	<0.005

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HMW-06 40 03/19/92	3334BG 1 04/04/92	3334BG 2 04/04/92	HMW-20 22 11/02/93	HMW-22 19 11/02/93	HMW-24 20 11/04/93	HMW-21 46 11/06/93	HMW-21 59 11/06/93
Metals												
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	2.2	--	--	10.9	9.97	5.49	--	9.77 J
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	47	--	--	15 J	27.7 J	40.9	--	88.8 J
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<0.5	--	--	<1.19 J	<1.25 J	<1.19 J	--	<1.22
Chromium	7440-47-3	219 {NMED ResSoil09}	42.2	mg/kg	--	--	--	7.3	7.33	<5.95	--	12 J
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	--	mg/kg	--	--	--	<1.19 J	<1.25 J	<1.16	--	<1.22
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	<5	--	--	36.7	46.2	11.5 J	--	15 J
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.1	--	--	<0.0238	<0.0251	<0.0232 J	--	<0.0243 J
Potassium	7440-09-7	--	--	mg/kg	--	--	--	--	--	--	--	--
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	<0.53	--	--	33.9	32.2	<2.9 J	--	<3.04 J
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	<0.99	--	--	9.5	8.53	12.6	--	<6.1 J
Sodium	7440-23-5	--	--	mg/kg	--	--	--	--	--	--	--	--
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	--	--	--	--	--	--	--	--
Other												
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Fluoride	16984-48-8	4,690 {NMED ResSoil09}	--	mg/kg	--	0.6	1.1	--	--	--	--	--
Fractional Organic Carbon	FOC	--	--	%	--	--	--	--	--	--	--	--
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
pH	pH	--	--	pH Units	--	8	8	--	--	--	--	--
Phosphorus	7723-14-0	--	--	mg/kg	--	--	--	--	--	--	--	--
Semivolatile Organic Compounds												
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.3	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
1,2-Diphenylhydrazine	122-66-7	6.08 {NMED ResSoil09}	0.0906	mg/kg	--	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.3	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
1-Chloronaphthalene	90-13-1	--	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	<2	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	<0.33	--	--	<0.393	--	<0.382	<0.402	<0.401
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	<2	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401
2-Nitroaniline	88-74-4	--	--	mg/kg	--	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	<0.7	--	--	<0.393	--	<0.382	<0.402	<0.401
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
3-Nitroaniline	99-09-2	--	--	mg/kg	--	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.7	--	--	<0.393	--	<0.382	<0.402	<0.401
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
4-Methyl Phenol (p-cresol)	106-44-5	310 {EPA ResSoil09}	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401
4-Nitrophenol	100-02-7	--	--	mg/kg	<2	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
Acenaphthylene	208-96-8	--	--	mg/kg	<0.33	--	--	--	--	--	--	--
Anthracene	120-12-7	17,200 {NMED ResSoil09}	6,740	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.00025	mg/kg	<1.7	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	6.39	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	2.17	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSo										

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HMW-06 40 03/19/92	3334BG 1 04/04/92	3334BG 2 04/04/92	HMW-20 22 11/02/93	HMW-22 19 11/02/93	HMW-24 20 11/04/93	HMW-21 46 11/06/93	HMW-21 59 11/06/93	
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401	
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Dibenzofuran	132-64-9	--	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401	
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	--	--	--	<1.188825	--	<1.15555	<1.21605	<1.213025	
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.3	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	<0.33	--	--	--	--	--	--	--	
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	--	--	--	<0.393	--	<0.382	<0.402	<0.401	
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	<2	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485	
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	--	--	--	<1.90605	--	<1.8527	<1.9497	<1.94485	
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	<0.3	--	--	<0.393	--	<0.382	<0.402	<0.401	
Total Petroleum Hydrocarbons													
Diesel Range Organics		DRO	--	--	mg/kg	--	--	--	--	--	--	--	
Gasoline Range Organics		GRO	--	--	mg/kg	--	--	--	--	--	--	--	
Petroleum Hydrocarbons		PHC	--	--	mg/kg	<13	--	--	--	--	--	--	
Total Petroleum Hydrocarbons		TPH	--	--	mg/kg	--	--	--	<35.66475	--	<34.6665	<36.4815	<36.39075
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	--	--	--	--	--	--	--	--	
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,1-Dichloropropene	563-58-6	--	--	mg/kg	--	--	--	--	--	--	--	--	
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	--	--	--	--	--	--	--	--	
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.02	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000595	mg/kg	--	--	--	--	--	--	--	--	
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000316	mg/kg	--	--	--	--	--	--	--	--	
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J	
1,3,5-Trimethylbenzene	108-67-8	780 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	
1,3-Dichloropropane	142-28-9	1,600 {EPA ResSoil09}	--										

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HMW-06 40 03/19/92	3334BG 1 04/04/92	3334BG 2 04/04/92	HMW-20 22 11/02/93	HMW-22 19 11/02/93	HMW-24 20 11/04/93	HMW-21 46 11/06/93	HMW-21 59 11/06/93
4-Chlorotoluene	106-43-4	5,500 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.05	--	--	<0.0238 J	<0.02508 J	<0.02316	<0.02436 J	<0.02432 J
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	<0.1	--	--	<0.0238 J	<0.02508 J	<0.02316	1.05 J	0.258 J
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	<0.2	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.1	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Bromobenzene	108-86-1	300 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	--	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.005	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	<0.02	--	--	--	--	--	--	--
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Chlorobromomethane	74-97-5	--	--	mg/kg	--	--	--	--	--	--	--	--
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
cis-1,2-Dichloroethene	156-59-2	782 {NMED ResSoil09}	1.89	mg/kg	--	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Cymene	99-87-6	--	--	mg/kg	--	--	--	--	--	--	--	--
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.02	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.005	--	--	--	--	--	--	--
Ethanol	64-17-5	--	--	mg/kg	<1	--	--	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	<0.02	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Iodomethane	74-88-4	--	--	mg/kg	<0.02	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	--	--	--	--	--	--
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	--	--	<0.0238 J	<0.02508 J	<0.02316	<0.02436 J	<0.02432 J
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	--	--	--	--	--	--
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	--	--	--	--	--	--
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	--	--	--	--	--	--
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	--	--	--	--	--	--
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	--	--	--	--	--	--
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	--	--	--	--	--	--
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	--	--	--	--	--	--
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	--	--	--	--	--	--
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	<0.01	--	--	<0.0238 J	<0.02508 J	<0.02316	<0.02436 J	<0.02432 J
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	--	--	<0.0119 J	<0.01254 J	<0.01158	<0.01218 J	<0.01216 J
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	<0.005	--	--	<0.00595 J	<0.00627 J	<0.00579	<0.00609 J	<0.00608 J

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HMW-24 36 11/07/93	HMW-23 38 11/20/93	HLSF-SB-032 0.5 - 1 09/28/06	HLSF-SB-033 0.5 - 1 09/28/06	HLSF-SB-034 0.5 - 1 09/28/06	HLSF-SB-035 0.5 - 1 09/28/06	HLSF-SB-036 0.5 - 1 09/28/06	HLSF-SB-035 10 - 11 10/23/06
Metals												
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	8.17 J	<2.92	<2	<2	<2	2.68	<2 [<2]	<2
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	69 J	84.1	31.9	26.3	41.7	48.6	43.4 [44.2]	102
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<1.16	<1.16	<0.1	0.134	<0.1	<0.1	<0.1 [<0.1]	<0.1
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	12 J	<5.81	3.38	2.21	3.33	3.93	3.07 [2.93]	7.65
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	42.2	mg/kg	<1.16 J	<1.17 J	<0.4	<0.4	<0.4	<0.4	<0.4 [<0.4]	<5
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	7.31 J	4.6	4.69	2.73	<1	<1	<1 [<1]	12
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.0232	<0.0234	<0.04	<0.04	<0.04	<0.04	<0.04 [<0.04]	<0.04
Potassium	7440-09-7	--	--	mg/kg	--	--	451	407	709	632	915 [732]	2,180
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	4.72 J	<2.92	<1	<1	<1	<1	<1 [<1]	<1
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	27 J	<5.81	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Sodium	7440-23-5	--	--	mg/kg	--	--	244	332	253	214	203 [149]	696
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	--	--	8.72	4.55	6.98	7.91	6.63 [6.67]	16.8
Other												
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	--	--	<25	<25	<25	<25	<25 [<25]	<25
Fluoride	16984-48-8	4,690 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Fractional Organic Carbon	FOC	--	--	%	--	--	6.58	6.21	6.16	4.93	5.95 [6.04]	3.29
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	--	--	120	130	140	110	110 [100]	100
pH	pH	--	--	pH Units	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	--	mg/kg	--	--	100	67.7	74.7	120	102 [104]	131
Semivolatile Organic Compounds												
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.384	<0.386	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	<0.384	<0.386	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2-Diphenylhydrazine	122-66-7	6.08 {NMED ResSoil09}	0.0906	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1-Chloronaphthalene	90-13-1	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	--	--	<0.25	<0.25	<0.25	<0.25	<0.25 [<0.25]	<0.25
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
2-Nitroaniline	88-74-4	--	--	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	<0.384	<0.386	--	--	--	--	--	--
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	<0.384	<0.386	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	--	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
4-Methyl Phenol (p-cresol)	106-44-5	310 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
4-Nitrophenol	100-02-7	--	--	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Acenaphthylene	208-96-8	--	--	mg/kg	--	--	--	--	--	--	--	--
Anthracene	120-12-7	17,200 {NMED ResSoil09}	6,740	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.00025	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	6.39	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	2.17	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	22.2	mg/kg	<0.384	<0.386	--	--	--</td			

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HMW-24 36 11/07/93	HMW-23 38 11/20/93	HLSF-SB-032 0.5 - 1 09/28/06	HLSF-SB-033 0.5 - 1 09/28/06	HLSF-SB-034 0.5 - 1 09/28/06	HLSF-SB-035 0.5 - 1 09/28/06	HLSF-SB-036 0.5 - 1 09/28/06	HLSF-SB-035 10 - 11 10/23/06
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	<0.25	<0.25	<0.25	<0.25	<0.25 [<0.25]	<0.25
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Dibenzofuran	132-64-9	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	<1.1616	<1.16765	--	--	--	--	--	--
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.384	<0.386	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	<0.384	<0.386	--	--	--	--	--	--
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	<0.384	<0.386	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	<0.384	<0.386	--	--	--	--	--	--
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	<0.384	<0.386	--	--	--	--	--	--
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	<0.384	<0.386	--	--	--	--	--	--
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	<1.8624	<1.8721	--	--	--	--	--	--
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	<0.384	<0.386	--	--	--	--	--	--
Total Petroleum Hydrocarbons												
Diesel Range Organics	DRO	--	--	mg/kg	--	--	<50	<50	<50	<50	<50 [<50]	<50
Gasoline Range Organics	GRO	--	--	mg/kg	--	--	<1	<1	<1	<1	<1 [<1]	<1
Petroleum Hydrocarbons	PHC	--	--	mg/kg	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	TPH	--	--	mg/kg	<34.848	<35.0295	--	--	--	--	--	--
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1-Dichloropropene	563-58-6	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	--	--	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000595	mg/kg	--	--	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000316	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,3,5-Trimethylbenzene	108-67-8	780 {EPA ResSoil09}	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,3-Dichloropropane												

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HMW-24 36 11/07/93	HMW-23 38 11/20/93	HLSF-SB-032 0.5 - 1 09/28/06	HLSF-SB-033 0.5 - 1 09/28/06	HLSF-SB-034 0.5 - 1 09/28/06	HLSF-SB-035 0.5 - 1 09/28/06	HLSF-SB-036 0.5 - 1 09/28/06	HLSF-SB-035 10 - 11 10/23/06
4-Chlorotoluene	106-43-4	5,500 {EPA ResSoil09}	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.02324 J	<0.02336	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	<0.02324 J	<0.02336	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	<0.00581 J	<0.00584	--	--	--	--	--	--
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.01162 J	<0.01168	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Bromobenzene	108-86-1	300 {EPA ResSoil09}	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.01162 J	<0.01168	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01162 J	<0.01168	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Chlorobromomethane	74-97-5	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01162 J	<0.01168	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01162 J	<0.01168	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
cis-1,2-Dichloroethene	156-59-2	782 {NMED ResSoil09}	1.89	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Cymene	99-87-6	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	--	--	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	<0.00581 J	<0.00584	--	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Iodomethane	74-88-4	--	--	mg/kg	<0.01162 J	<0.01168	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	--	--	<0.2	<0.2	<0.2	<0.2	<0.2 [<0.2]	<0.2
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.02324 J	<0.02336	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
n-Butylbenzene	104-51-8	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
n-Propylbenzene	103-65-1	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
sec-Butylbenzene	135-9-88	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	--	--	<0.2	<0.2	<0.2	<0.2	<0.2 [<0.2]	<0.2
tert-Butylbenzene	98-06-6	--	--	mg/kg	--	--	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	--	--	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	<0.00581 J	<0.00584	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.0	

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-035 20 - 21 10/23/06	HLSF-SB-035 30 - 31 10/23/06	HLSF-SB-035 40 - 41 10/23/06	HLSF-SB-035 49 - 50 10/23/06	HLSF-SB-036 10 - 11 10/23/06	HLSF-SB-036 20 - 22 10/23/06	HLSF-SB-036 30 - 31 10/23/06	HLSF-SB-036 40 - 41 10/23/06	
Metals													
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	5.94	5.62	10.1	<2	<2	5.31 [6.97]	5.13	8.77	
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	17.3	92.2	90.1	31.1	71.5	98.4 [93.3]	115	115	
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1	<0.1	
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	8.67	11.7	14.2	4.31	7.44	13.1 [12.1]	12.6	15.5	
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	42.2	mg/kg	<5	<5	<5	<5	<5	<5 [<5]	<5	<5	
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	17.1	23.3	30.7	10.2	10.3	26.4 [25.2]	26.9	32.1	
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04 [<0.04]	<0.04	<0.04	
Potassium	7440-09-7	--	--	mg/kg	2,180	2,650	3,250	812	1,830	3,330 [3,090]	2,840	3,480	
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	<1	<1	<1	<1	<1	<1 [<1]	<1	<1	
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05	
Sodium	7440-23-5	--	--	mg/kg	1,260	3,390	4,590	820	497	1,770 [1,650]	3,130	4,350	
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	26.2	39.6	51	16.1	14.4	39.1 [38.2]	43.4	56.3	
Other													
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	<25	<25	<25	<25	<25	<25 [<25]	<25	<25	<25
Fluoride	16984-48-8	4,690 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--
Fractional Organic Carbon	FOC	--	--	%	1.91	2.38	3.95	0.75	2.03	2.46 [2.09]	2.11	3.43	
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	97	100	96	88	86	91 [94]	95	88	
pH	pH	--	--	pH Units	--	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	--	mg/kg	213	294	294	136	95.9	284 [289]	300	316	
Semivolatile Organic Compounds													
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05	<0.05
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01
1,2-Diphenylhydrazine	122-66-7	6.08 {NMED ResSoil09}	0.0906	mg/kg	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01	<0.01
1-Chloronaphthalene	90-13-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	--	--	--	--	--	--	--	--	--
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25 [<0.25]	<0.25	<0.25	<0.25
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	--	--	--	--	--	--	--	--	--
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	--	--	mg/kg	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	--	--	mg/kg	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	--	--	--	--	--	--	--	--	--
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	--	mg/kg	--	--	--	--	--	--	--	--	--
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	--	--	--	--	--	--	--	--	--
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	--	--	--	--	--	--	--	--	--
4-Methyl Phenol (p-cresol)	106-44-5	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	--	--	--	--	--	--	--	--	--
Acenaphthylene	208-96-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--
Anthracene	120-12-7	17,200 {NMED ResSoil09}	6,740	mg/kg	--	--	--	--	--	--	--	--	--
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.00025	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	6.39	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	2.17	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	22.2	mg/kg	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	--	--							

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-035 20 - 21 10/23/06	HLSF-SB-035 30 - 31 10/23/06	HLSF-SB-035 40 - 41 10/23/06	HLSF-SB-035 49 - 50 10/23/06	HLSF-SB-036 10 - 11 10/23/06	HLSF-SB-036 20 - 22 10/23/06	HLSF-SB-036 30 - 31 10/23/06	HLSF-SB-036 40 - 41 10/23/06
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25 [<0.25]	<0.25	<0.25
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	--	--	--	--	--	--	--	--
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	--	--	--	--	--	--	--	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	--	--	--	--	--	--	--	--
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	--	--	--	--	--	--	--	--
Dibenzofuran	132-64-9	--	--	mg/kg	--	--	--	--	--	--	--	--
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	--	--	--	--	--	--	--	--
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	--	--	--	--	--	--	--	--
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	--	--	--	--	--	--	--	--
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	--	--	--	--	--	--	--	--
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	--	--	--	--	--	--	--	--
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	--	--	--	--	--	--	--	--
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	--	--	--	--	--	--	--	--
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	--	--	--	--	--	--	--	--
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	--	--	--	--	--	--	--	--
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	--	--	--	--	--	--	--	--
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	--	--	--	--	--	--	--	--
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	--	--	--	--	--	--	--	--
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	--	--	--	--	--	--	--	--
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons												
Diesel Range Organics	DRO	--	--	mg/kg	<50	<50	<50	<50	<50	<50 [<50]	<50	<50
Gasoline Range Organics	GRO	--	--	mg/kg	<1	<1	<1	<1	<1	<1 [<1]	<1	<1
Petroleum Hydrocarbons	PHC	--	--	mg/kg	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	TPH	--	--	mg/kg	--	--	--	--	--	--	--	--
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,1-Dichloropropene	563-58-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000595	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000316	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,3,5-Trimethylbenzene	108-67-8	780 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,3-Dichloropropane	142-28-9	1,600 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
1,4 Dichloro-2-Butene	764-41-0	0.046 {NMED ResSoil09}	0.000163	mg/kg	--	--	--	--	--	--	--	--
1,4-Dioxane	123-91-1	442 {NMED ResSoil09}	0.214	mg/kg	<0.5	<0.5	<0.5	<0.				

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-035 20 - 21 10/23/06	HLSF-SB-035 30 - 31 10/23/06	HLSF-SB-035 40 - 41 10/23/06	HLSF-SB-035 49 - 50 10/23/06	HLSF-SB-036 10 - 11 10/23/06	HLSF-SB-036 20 - 22 10/23/06	HLSF-SB-036 30 - 31 10/23/06	HLSF-SB-036 40 - 41 10/23/06
4-Chlorotoluene	106-43-4	5,500 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1	<0.1
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	--	--	--	--	--	--	--	--
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Bromobenzene	108-86-1	300 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Chlorobromomethane	74-97-5	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
cis-1,2-Dichloroethene	156-59-2	782 {NMED ResSoil09}	1.89	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Cymene	99-87-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Iodomethane	74-88-4	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 [<0.2]	<0.2	<0.2
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
n-Butylbenzene	104-51-8	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
n-Propylbenzene	103-65-1	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
sec-Butylbenzene	135-9-88	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 [<0.2]	<0.2	<0.2
tert-Butylbenzene	98-06-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	<0.01
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1	<0.1
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<	

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-032 10 - 11 10/24/06	HLSF-SB-032 20 - 21 10/24/06	HLSF-SB-032 30 - 31 10/24/06	HLSF-SB-032 40 - 41 10/24/06	HLSF-SB-032 49 - 50 10/24/06	HLSF-SB-033 10 - 11 10/31/06	HLSF-SB-033 20 - 21 10/31/06	HLSF-SB-033 30 - 31 10/31/06	HLSF-SB-033 40 - 42 10/31/06	HLSF-SB-033 49 - 50 10/31/06
Metals														
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	<2	<2	5.75	11.3	<2	<2	11.6	3.86	<2 [9.13]	<2
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	63.6	128	79.1	68.2	76.5	71.4	71.5	1,560	153 [40.7]	32.9
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 [<0.1]	<0.1
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	4.69	11.6	12.7	14.1	10.3	6.26	9.61	11.3	15.2 [14.2]	2.83
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	42.2	mg/kg	<5	<5	<5	<5	<5	<5	<5	<5	<5 [<5]	<5
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	7.09	22.6	23.7	32.3	19	10.4	20.1	23.1	31 [26.9]	6.93
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04 [<0.04]	<0.04
Potassium	7440-09-7	--	--	mg/kg	1,300	3,310	2,940	3,180	2,000	1,620	2,210	2,850	4,190 [3,170]	503
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1 [<1]	<1
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
Sodium	7440-23-5	--	--	mg/kg	514	2,890	3,320	4,570	2,380	541	829	1,830	3,770 [3,970]	1,130
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	9.75	33.2	34.4	47.5	38.6	12.6	30.3	30.9	48.2 [48.2]	11.7
Other														
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25 [<25]	<25
Fluoride	16984-48-8	4,690 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Fractional Organic Carbon	FOC	--	--	%	2.87	1.18	1.1	2.7	2.73	2.49	2.15	1.16	1.71 [3.58]	0.467
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	94	96	94	95	93	90	110	96	99 [100]	89
pH	pH	--	--	pH Units	--	--	--	--	--	--	--	--	--	--
Phosphorus	7723-14-0	--	--	mg/kg	76.5	224	258	256	284	79.3	275	261	300 [263]	96.6
Semivolatile Organic Compounds														
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2-Diphenylhydrazine	122-66-7	6.08 {NMED ResSoil09}	0.0906	mg/kg	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1-Chloronaphthalene	90-13-1	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25 [<0.25]	<0.25
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	--	--	--	--	--	--	--	--	--	--
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Methyl Phenol (p-cresol)	106-44-5	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	208-96-8	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--
Anthracene	120-12-7	17,200 {NMED												

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-032 10 - 11 10/24/06	HLSF-SB-032 20 - 21 10/24/06	HLSF-SB-032 30 - 31 10/24/06	HLSF-SB-032 40 - 41 10/24/06	HLSF-SB-032 49 - 50 10/24/06	HLSF-SB-033 10 - 11 10/31/06	HLSF-SB-033 20 - 21 10/31/06	HLSF-SB-033 30 - 31 10/31/06	HLSF-SB-033 40 - 42 10/31/06	HLSF-SB-033 49 - 50 10/31/06	
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25 [<0.25]	<0.25	
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	--	--	--	--	--	--	--	--	--	--	
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	--	--	--	--	--	--	--	--	--	--	
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	--	--	--	--	--	--	--	--	--	--	
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	--	--	--	--	--	--	--	--	--	--	
Dibenzofuran	132-64-9	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	--	--	--	--	--	--	--	--	--	--	
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	--	--	--	--	--	--	--	--	--	--	
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	--	--	--	--	--	--	--	--	--	--	
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	--	--	--	--	--	--	--	--	--	--	
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	--	--	--	--	--	--	--	--	--	--	
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	--	--	--	--	--	--	--	--	--	--	
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	--	--	--	--	--	--	--	--	--	--	
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	--	--	--	--	--	--	--	--	--	--	
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	--	--	--	--	--	--	--	--	--	--	
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	--	--	--	--	--	--	--	--	--	--	
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05	
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	--	--	--	--	--	--	--	--	--	--	
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	--	--	--	--	--	--	--	--	--	--	
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	--	--	--	--	--	--	--	--	--	--	
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	--	--	--	--	--	--	--	--	--	--	
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	--	--	--	
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	--	--	--	--	--	--	--	--	--	--	
Total Petroleum Hydrocarbons															
Diesel Range Organics		DRO	--	--	mg/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50	
Gasoline Range Organics		GRO	--	--	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Petroleum Hydrocarbons		PHC	--	--	mg/kg	--	--	--	--	--	--	--	--	--	
Total Petroleum Hydrocarbons		TPH	--	--	mg/kg	--	--	--	--	--	--	--	--	--	
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01	
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,1-Dichloropropane	563-58-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 [<0.01]	<0.01
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000595	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05 [<0.05]	<0.05
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000316	mg/kg	<0.01	<0.01	<								

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-034 10 - 11 10/31/06	HLSF-SB-034 20 - 21 10/31/06	HLSF-SB-034 30 - 31 10/31/06	HLSF-SB-034 40 - 41 10/31/06	HLSF-SB-034 49 - 50 10/31/06
Metals									
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	<2	9.81	<2	10.4	<2
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	64.6	207	44.2	95.5	32.7
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	5.54	12.2	4.7	15.2	2.74
Chromium (Hexavalent)	Cr6	219 {NMED ResSoil09}	42.2	mg/kg	<5	<5	<5	<5	<5
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	8.85	25.3	8.21	27.4	6.9
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.04	<0.04	<0.04	<0.04	<0.04
Potassium	7440-09-7	--	--	mg/kg	1,420	2,930	744	3,810	519
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	<1	<1	<1	<1	<1
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium	7440-23-5	--	--	mg/kg	708	730	572	4,250	1,060
Zinc	7440-66-6	23,500 {NMED ResSoil09}	13,600	mg/kg	9.76	37.3	13.5	49.3	10.2
Other									
Ethylene Glycol	107-21-1	120,000 {EPA ResSoil09}	--	mg/kg	<25	<25	<25	<25	<25
Fluoride	16984-48-8	4,690 {NMED ResSoil09}	--	mg/kg	--	--	--	--	--
Fractional Organic Carbon	FOC	--	--	%	3.31	2.92	0.503	3.25	0.499
N-Butyl Alcohol (n-Butanol)	71-36-3	6,100 {EPA ResSoil09}	--	mg/kg	110	99	99	110	92
pH	pH	--	--	pH Units	--	--	--	--	--
Phosphorus	7723-14-0	--	--	mg/kg	83.4	272	163	265	116
Semivolatile Organic Compounds									
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Diphenylhydrazine	122-66-7	6.08 {NMED ResSoil09}	0.0906	mg/kg	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1-Chloronaphthalene	90-13-1	--	--	mg/kg	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	6,110 {NMED ResSoil09}	143	mg/kg	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	--	--	--	--	--
2-Butoxy Ethanol (Ethylene Glycol Mono-n-butyl ether)	111-76-2	31,000 {EPA ResSoil09}	--	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	--	--	--	--	--
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	--	--	--	--	--
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	--	--	--	--	--
2-Methylnaphthalene	91-57-6	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
2-Methylphenol (o-cresol)	95-48-7	3,100 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
2-Nitroaniline	88-74-4	--	--	mg/kg	--	--	--	--	--
2-Nitrophenol	88-75-5	--	--	mg/kg	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	--	--	--	--	--
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	--	--	--	--	--
3-Nitroaniline	99-09-2	--	--	mg/kg	--	--	--	--	--
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	--	--	--	--	--
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	--	--	--	--	--
4-Methyl Phenol (p-cresol)	106-44-5	310 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
4-Nitrophenol	100-02-7	--	--	mg/kg	--	--	--	--	--
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	--	--	--	--	--
Acenaphthylene	208-96-8	--	--	mg/kg	--	--	--	--	--
Anthracene	120-12-7	17,200 {NMED ResSoil09}	6,740	mg/kg	--	--	--	--	--
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.00025	mg/kg	--	--	--	--	--
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	6.39	mg/kg	--	--	--	--	--
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	2.17	mg/kg	--	--	--	--	--
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	22.2	mg/kg	--	--	--	--	--
Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	--	--	--	--	--
Benzo(k)Fluoranthene	207-08-9	62.1 {NMED ResSoil09}	217	mg/kg	--	--	--	--	--
Benzoic Acid	65-85-0	240,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--

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Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-034 10 - 11 10/31/06	HLSF-SB-034 20 - 21 10/31/06	HLSF-SB-034 30 - 31 10/31/06	HLSF-SB-034 40 - 41 10/31/06	HLSF-SB-034 49 - 50 10/31/06
Benzyl Alcohol	100-51-6	6,100 {EPA ResSoil09}	--	mg/kg	<0.25	<0.25	<0.25	<0.25	<0.25
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	--	--	--	--	--
Bis(2-Chloroisopropyl) Ether	39638-32-9	--	0.0511	mg/kg	--	--	--	--	--
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	--	--	--	--	--
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	--	--	--	--	--
Dibenzofuran	132-64-9	--	--	mg/kg	--	--	--	--	--
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	--	--	--	--	--
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	--	--	--	--	--
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	--	--	--	--	--
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	--	--	--	--	--
Diphenylamine	122-39-4	1,500 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	--	--	--	--	--
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	--	--	--	--	--
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	--	--	--	--	--
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	--	--	--	--	--
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	--	--	--	--	--
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	--	--	--	--	--
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	--	--	--	--	--
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	--	--	--	--	--
p-Chloroaniline	106-47-8	24 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	--	--	--	--	--
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	--	--	--	--	--
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	--	--	--	--	--
p-Nitroaniline	100-01-6	240 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	--	--	--	--	--
Total Petroleum Hydrocarbons									
Diesel Range Organics	DRO	--	--	mg/kg	<50	<50	<50	<50	<50
Gasoline Range Organics	GRO	--	--	mg/kg	<1	<1	<1	<1	<1
Petroleum Hydrocarbons	PHC	--	--	mg/kg	--	--	--	--	--
Total Petroleum Hydrocarbons	TPH	--	--	mg/kg	--	--	--	--	--
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	630-20-6	29.2 {NMED ResSoil09}	0.0345	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,1-Dichloropropene	563-58-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3-Trichlorobenzene	87-61-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4-Trimethylbenzene	95-63-6	62 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	0.194 {NMED ResSoil09}	0.0000595	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.574 {NMED ResSoil09}	0.000316	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,3,5-Trimethylbenzene	108-67-8	780 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-Dichloropropane	142-28-9	1,600 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
1,4-Dichloro-2-Butene	764-41-0	0.046 {NMED ResSoil09}	0.000163	mg/kg	--	--	--	--	--
1,4-Dioxane	123-91-1	442 {NMED ResSoil09}	0.214	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	594-20-7	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
2-Butanone	78-93-3	39,600 {NMED ResSoil09}	25.3	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
2-Chlorotoluene	95-49-8	1,560 {NMED ResSoil09}	12.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01

(See Notes Page for Qualifiers and Acronyms)

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HLSF-SB-034 10 - 11 10/31/06	HLSF-SB-034 20 - 21 10/31/06	HLSF-SB-034 30 - 31 10/31/06	HLSF-SB-034 40 - 41 10/31/06	HLSF-SB-034 49 - 50 10/31/06
4-Chlorotoluene	106-43-4	5,500 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	--	--	--	--	--
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Bromobenzene	108-86-1	300 {EPA ResSoil09}	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorobromomethane	74-97-5	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
cis-1,2-Dichloroethene	156-59-2	782 {NMED ResSoil09}	1.89	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Cymene	99-87-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Iodomethane	74-88-4	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Isopropyl Alcohol (Manufacturing-Strong Acid)	67-63-0	--	--	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Isopropylbenzene (Cumene)	98-82-8	3,210 {NMED ResSoil09}	19.7	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
m,p-Xylene (m-Xylene)	108-38-3	8,290 {NMED ResSoil09}	24.5	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Methyl-tert-butyl ether	1634-04-4	862 {NMED ResSoil09}	0.459	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
n-Butylbenzene	104-51-8	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
n-Propylbenzene	103-65-1	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	95-47-6	9,550 {NMED ResSoil09}	24.7	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
sec-Butylbenzene	135-9-88	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Tert-Butyl Alcohol	75-65-0	--	--	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
tert-Butylbenzene	98-06-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Trans-1,4-Dichlorobutene	110-57-6	--	--	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	--	--	--	--	--
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	--	--	--	--	--

Table 6-16
Summary of Soil Sample Analytical Results
SWMU 146
Notes

Lab Qualifiers	Definition
U	Constituent was not detected at the sample quantitation limit shown.
UJ	Estimated value below detection limit.
Analyte Abbreviation	Full Name
>C10-C28	Diesel Range Organics (>C10-C28) in the carbon 10 (C10) to carbon 28 (C28) range.
Acronym/Note	Description
All	All data reported before 2009 were collected by others and the data were provided to ARCADIS by White Sands Missile Range.
--	The sample was not tested for this constituent and/or no data were available.
U	Laboratory report flag indicating that the constituent was not detected at the sample quantitation limit shown.
1.7	Yellow highlight indicates that the reported result exceeds the published SSLs. If the result is preceded by "<", the constituent was not detected, but the reported sample quantitation limit exceeds the SSL.
<i>1.9</i>	Italics indicates that the reported result exceeds the NMED DAF 20 screening value. If the result is preceded by "<", constituent was not detected, but the reported sample quantitation limit exceeds the DAF 20 value.
[<0.005]	Brackets indicate that the result shown is from a duplicate field sample.
CAS	Chemical Abstract Service.
DAF 20	NMED Dilution Attenuation Factor from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009. DAF 20 indicates a Dilution Attenuation Factor of 20 was used.
EPA	United States Environmental Protection Agency.
EPA ResSoil09	USEPA Residential Screening Level from <i>USEPA Regional Screening Levels</i> (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm). 2009.
mg/kg	Milligram per kilogram.
NMED	New Mexico Environment Department.
NMED ResSoil09	NMED Residential Soil Screening Level from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009.
SSL	Soil Screening Level